

MARC S. WEINER
JOE McKINNEY MUNCY
ROBERT J. KENNEY
JOHN W. BAILEY
MARK J. NUELL, PH.D.
JAMES T. ELLER. JR.
D. RICHARD ANDERSON
THOMAS M. SMALL\*
ROBERT A. SELDON\*
JOHN W. A. SCILLIERI\*
SANFORD ASTOR\*

OF COUNSEL:
HERBERT M. BIRCH (1905-1996)
BERNARD L. SWEENEY\*
ELLIOT A. GOLDBERG\*
WILLIAM L. GATES\*
EDWARD H. VALANCE
RUPERT J. BRADY (RET.)\*
F. PRINCE BUTLER
FRED S. WHISENHUNT (RET.)
JAMES W. HELLWEGE
QUENTIN R. "RICK" CORRIE
ROBERT F. GNUSE
DAVID R. MURPHY
ROBERT M. ASHEN\*
MICHAEL R. CAMMARATA

\*ADMITTED TO A BAR OTHER THAN VA.

# BIRCH, STEWART, KOLASCH & BIRCH, LLP

#### INTELLECTUAL PROPERTY LAW

8110 GATEHOUSE ROAD SUITE 100 EAST FALLS CHURCH, VA 22042-1248 USA

(703) 205-8000

FAX: (703) 205-8050 (703) 698-8590 (G IV)

e-mail: mailroom@bskb.com web: http://www.bskb.com

CALIFORNIA OFFICES: COSTA MESA, CALIFORNIA LOS ANGELES, CALIFORNIA SCOTT L. LOWE
PAUL C. LEWIS
RICHARD J. GALLAGHER
MARYANNE ARMSTRONG, PH.D.
KECIA J. REYNOLDS
KALPANA REDDY
ESTHER H. CHONG
CATHERINE M. VOISINET\*
EUGENE T. PEREZ
CAROLYN T. BAUMGARDNER\*
MARTIN R. GEISSLER\*
J. ALISON GRABELL\*
T. BENJAMIN SCHROEDER, PH.D.
PERCY L. SQUARE
HYUNG N. SOHN
CLINT A. GERDINE
CRAIG A. McROBBIE
WILLIAM F. NIXON\*
DANIEL K. DORSEY
MATTHEW T. SHANLEY

REG. PATENT AGENTS:
FREDERICK R. HANDREN
MAKI HATSUMI
GARTH M. DAHLEN, PH.D.
ROBERT E. GOOZNER, PH.D.
KRISTI L. RUPERT, PH.D.
SUSAN W. GORMAN, PH.D.
ROBERT W. DOWNS
CHAD J. BILLINGS
CHRISTINE V. CASTILLO
CARL T. THOMSEN
SAM BHATTACHARYA
BRADLEY C. FACH

Date: September 17, 2003

Docket No.: 4633-0105P



#### MS PATENT APPLICATION

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

### Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): IMAI, Hajime; SUGIMOTO, Osamu;

OKASA, Katsuhiro; OGASAWARA, Isao

For: WIRING SUBSTRATE AND METHOD FOR MANUFACTURING THE SAME

## Enclosed are:

- A specification consisting of Twenty-nine (29) pages
- ⊠ Eleven (11) sheet(s) formal drawings
- An assignment of the invention
- Applicant claims small entity status under 37 C.F.R. § 1.27
- Applicant does not claim priority

| ⊠           | Applicant claims the right of priority under 35 U.S.C. § 119 based on Application No(s). 2002-291085 filed in JAPAN on October 3, 2002.  Certified copy(ies) is(are) attached hereto.  Certified copy(ies) will follow. |  |  |  |  |  |
|-------------|---|--|--|--|--|--|
| $\boxtimes$ | Executed Declaration ( $igtiesize$ Original $igtharpoonup$ Photocopy)   |  |  |  |  |  |
|             | Application Data Sheet in accordance with 37 C.F.R. § 1.76  |  |  |  |  |  |
| $\boxtimes$ | Preliminary Amendment   |  |  |  |  |  |
| $\boxtimes$ | Information Disclosure Statement, PTO-1449 and reference(s)   |  |  |  |  |  |
|             | Other:  |  |  |  |  |  |
| <u> </u>    | Applicant requests early publication - \$300.00 publication fee   |  |  |  |  |  |
|             | Non-publication Request and Certification under 35 U.S.C. § 122(b)(2)(B)(i)   |  |  |  |  |  |

The filing fee has been calculated as shown below:

|                       |                                      |                 | LARGE ENTITY  | SMALL ENTITY  |
|-----------------------|--------------------------------------|-----------------|---------------|---------------|
|                       | BASIC FEE                            |                 | \$750.00      | \$375.00      |
|                       | NUMBER<br>FILED                      | NUMBER<br>EXTRA | RATE FEE      | RATE FEE      |
| TOTAL                 | 15- 20 =                             | 0               | X 18 = \$0.00 | x 9 = \$0.00  |
| INDEPENDENT<br>CLAIMS | 3- 3 =                               | 0               | x 84 = \$0.00 | x 42 = \$0.00 |
|                       | MULTIPLE DEPENDENT  CLAIMS PRESENTED |                 |               | + \$140.00    |
|                       |                                      | TOTAL           | \$750.00      | \$0.00        |

A check in the amount of \$790.00 to cover the filing fee and recording fee (if applicable) is enclosed.

- Please charge Deposit Account No. 02-2448 in the amount of \$0.00. A triplicate copy of this transmittal form is enclosed.
- □ Please send correspondence to:

BIRCH, STEWART, KOLASCH & BIRCH, LLP or Customer No. 02292 P.O. Box 747 Falls Church, VA 22040-0747 (703) 205-8000

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

Charles Gorenstein, #29,271

P.O. Box 747

Falls Church, VA 22040-0747

(703) 205-8000

Attachment(s)

4633-0105P

CG/tmr

(Rev. 08/21/03)